

415

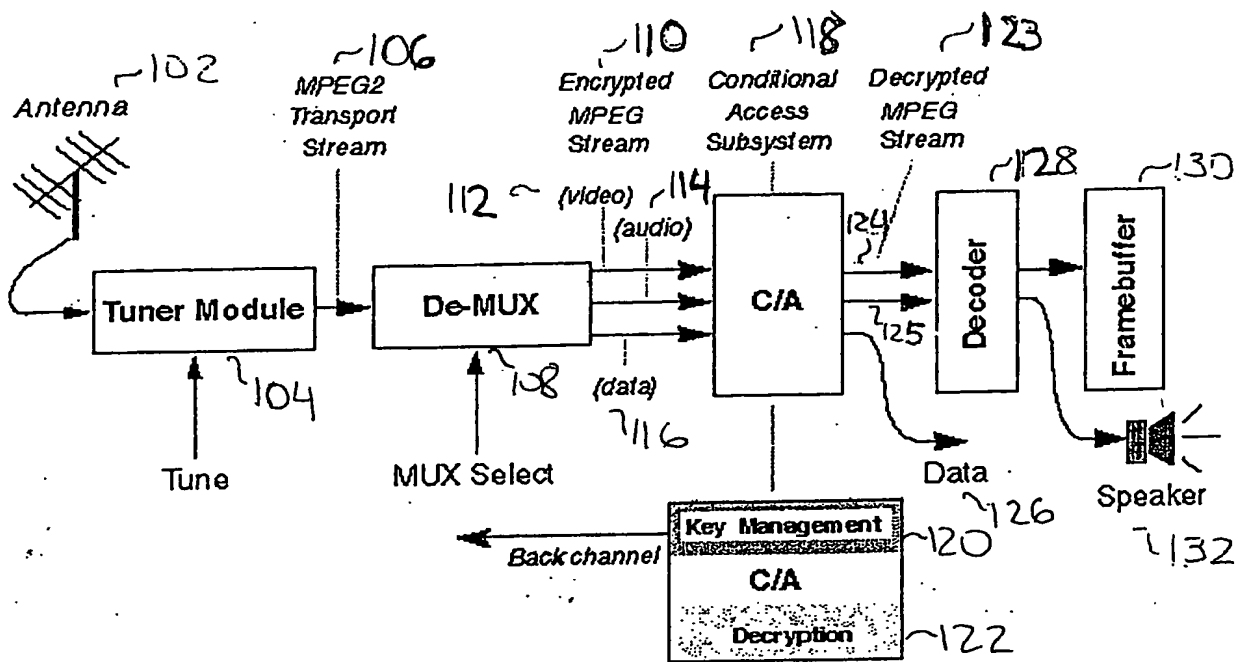


FIG. 1

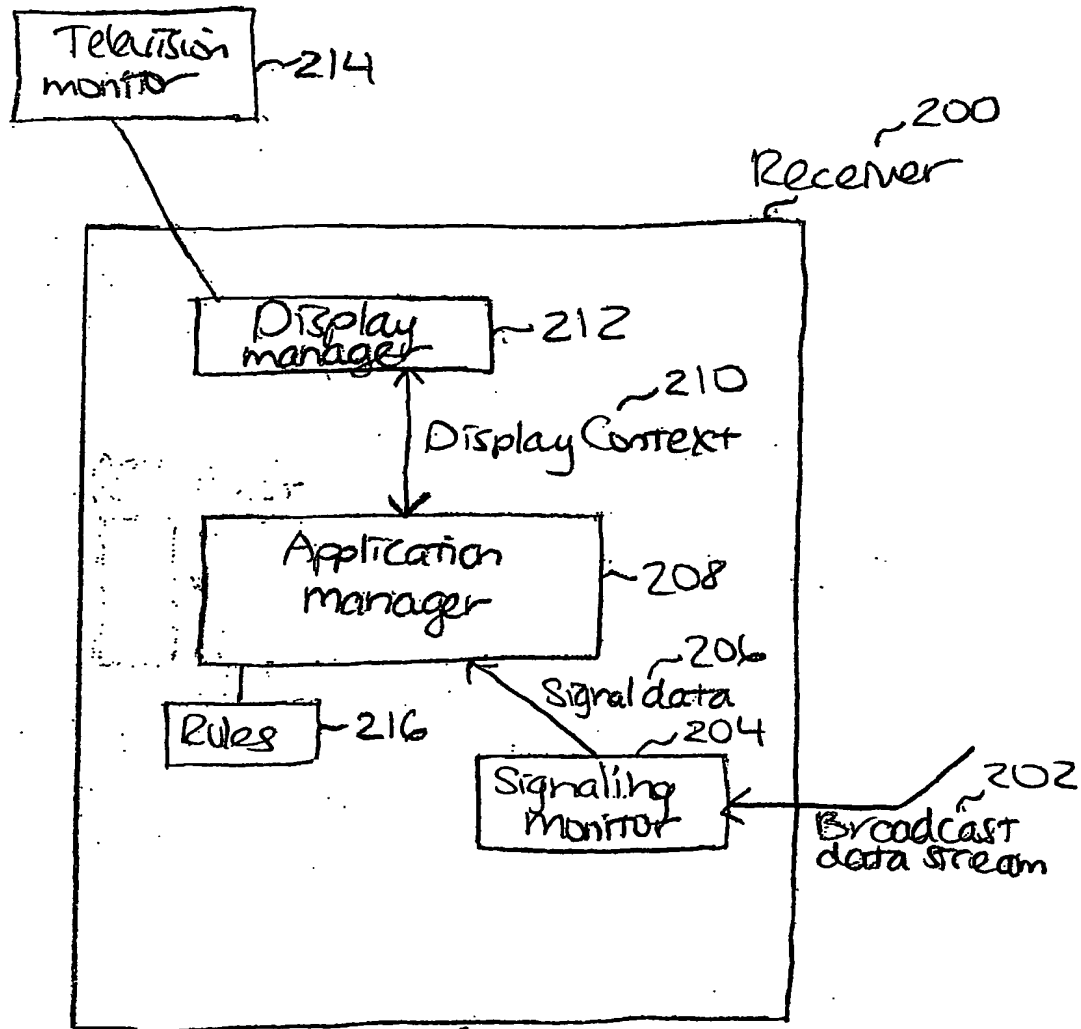


FIG. 2A

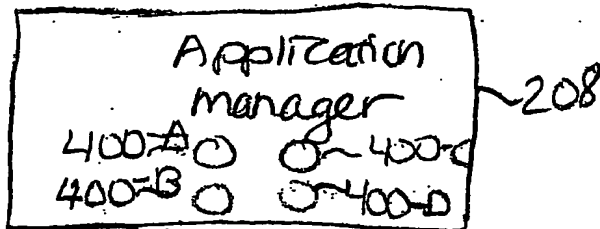
- Rules 216
- 218 ~ 1. Application manager manages one or more applications
  - 220 ~ 2. Only one application can be active at a time
  - 222 ~ 3. Only one application can be displayed at a time
  - 224 ~ 4. Only active applications are displayed

FIG. 2B

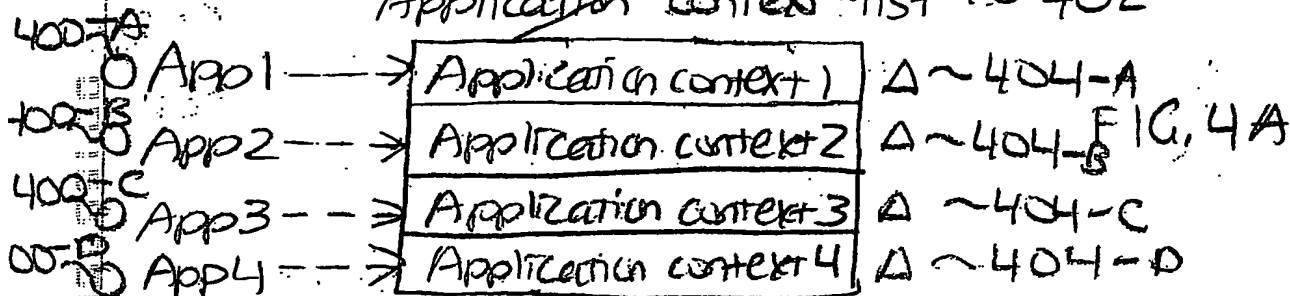
Signal Data ~302

App-present-in-data-stream; BOOLEAN	~304
Location (e.g., directory, filename)	~306
Authentication	~308
Permissions	~310

FIG. 3



Application context list ~ 402

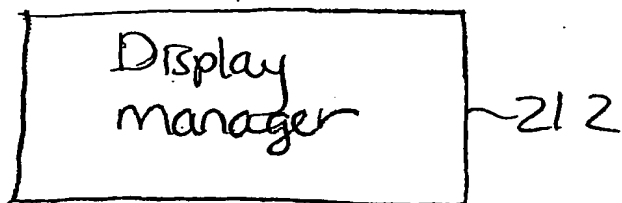


Application Context Δ ~ 404

Class loader identifier	<u>406</u>
Signal data identifier	<u>408</u>
Display context identifier	<u>410</u>
Application identifier	<u>412</u>
Application environment Object	<u>414</u>
Current application state	<u>416</u>



FIG. 4B



List of display contexts ~502

App1 →	101	Context 1
App2 →	102	Context 2
App3 →	103	Context 3
App4 →	104	Context 4

FIG. 5A

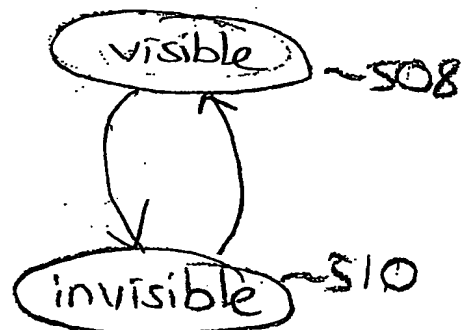


FIG. 5B

516 ~	Application state	Active	Paused
514 ~	Display state	Visible	Invisible

FIG. 5C

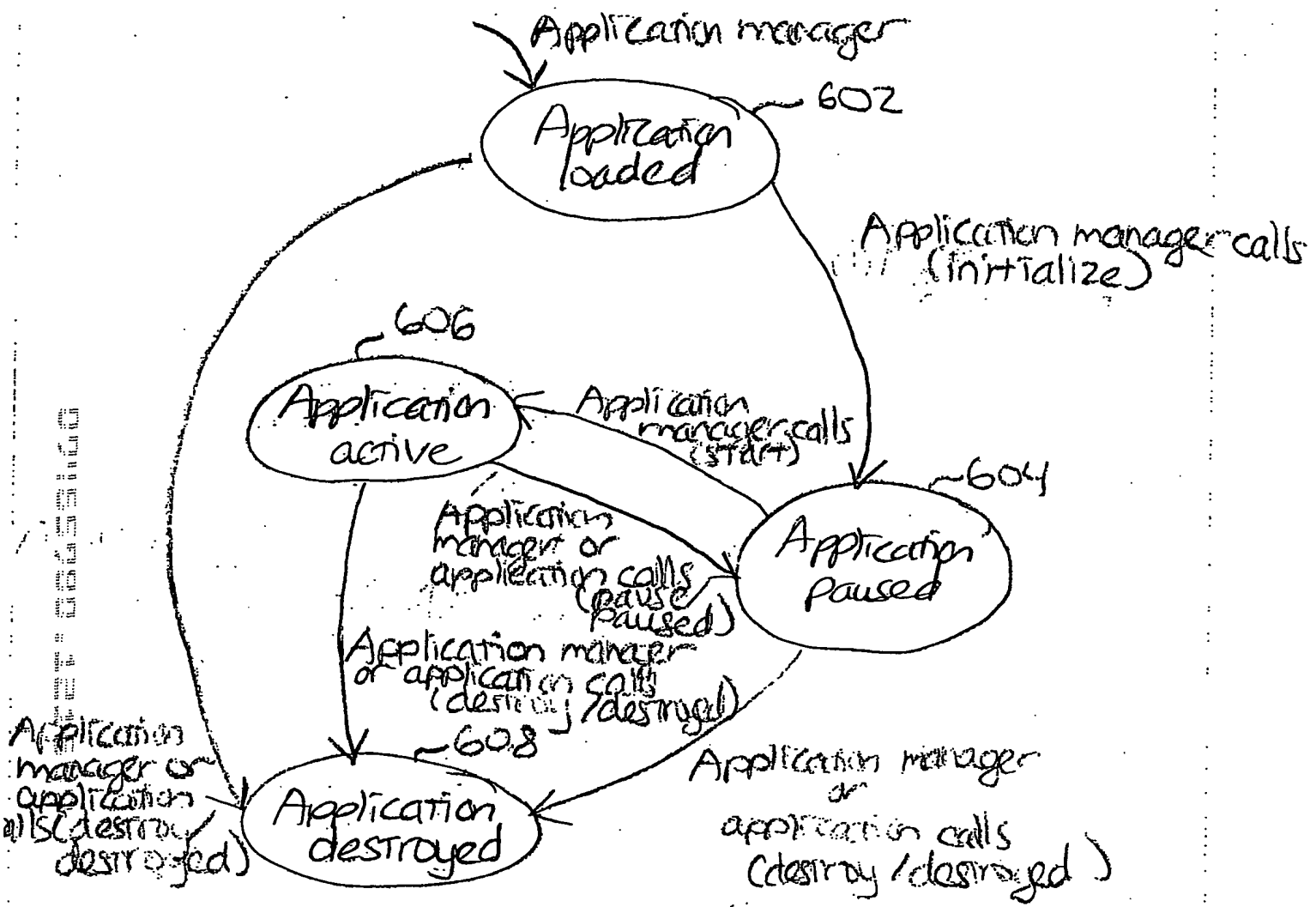


FIG. 6

## Application Programming Interface (API)

~ 702

Interface application {

704 ~ public void init application (Application environment env); ~ 706  
708 ~ public void start application();  
710 ~ public void pause application();  
712 ~ public void destroy application (boolean unconditional); ~ 714  
}

to change state

FIG. 7

## ApplicationEnvironmentInterface

~802

Interface Application-environment {

804 ~ public void destroyed();

808 ~ public java.lang.Object + getProperty (String key); ~810

806 ~ public void paused();

812 ~ public void resume request();

}

FIG. 8



Application ~902  
manager

Application ~904

Call init application () → ~906

Call start application () → ~908

Call destroy application () → ~910

Call pause application () → ~912

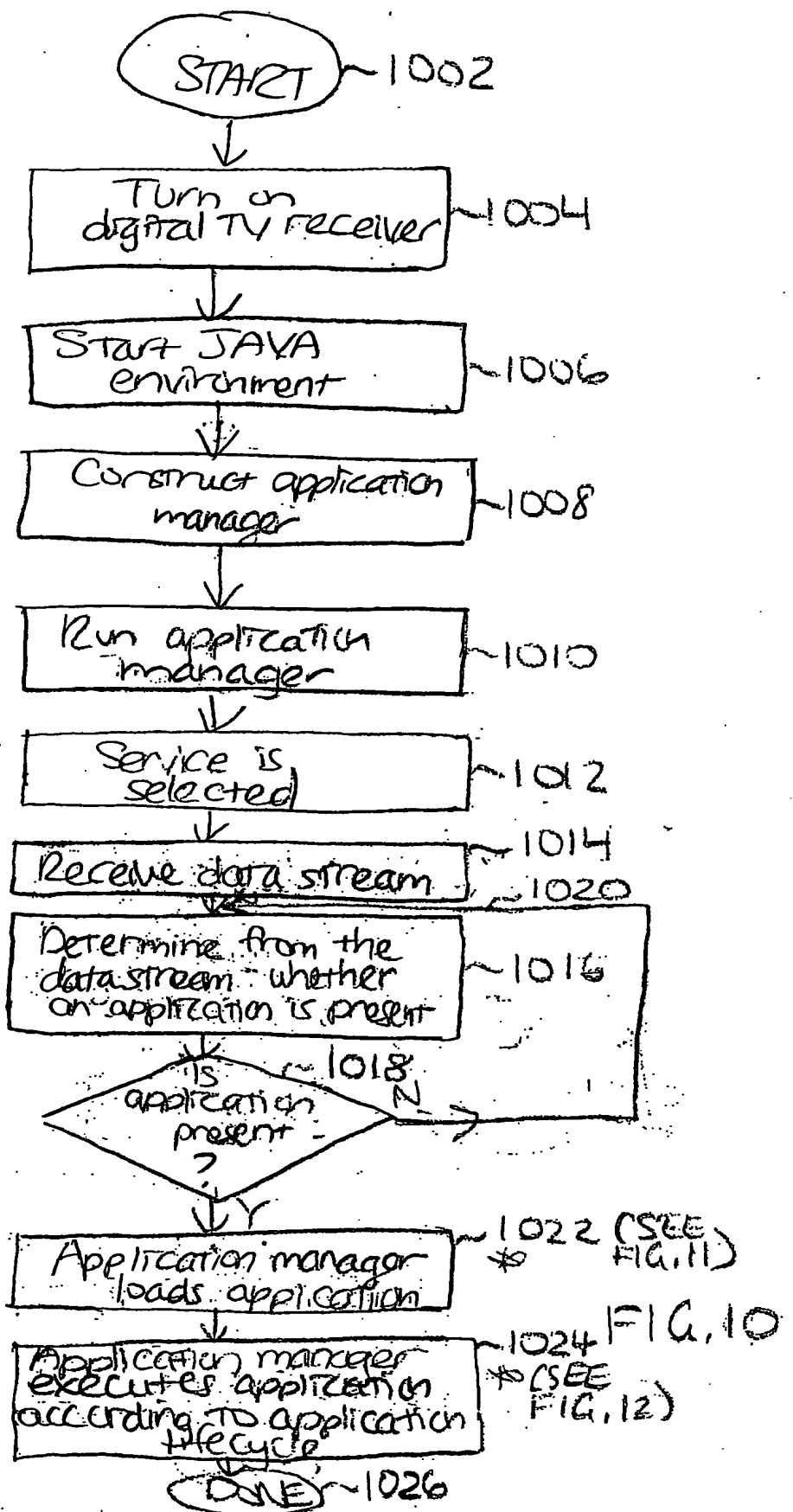
914 ~ ← Application-environment.applicationPaused()

916 ~ ← Application-environment.applicationDestroyed()

918 ~ ← Application-environment.resumeRequest()

920 ~ ← Application-environment.getProperty()

FIG. 9



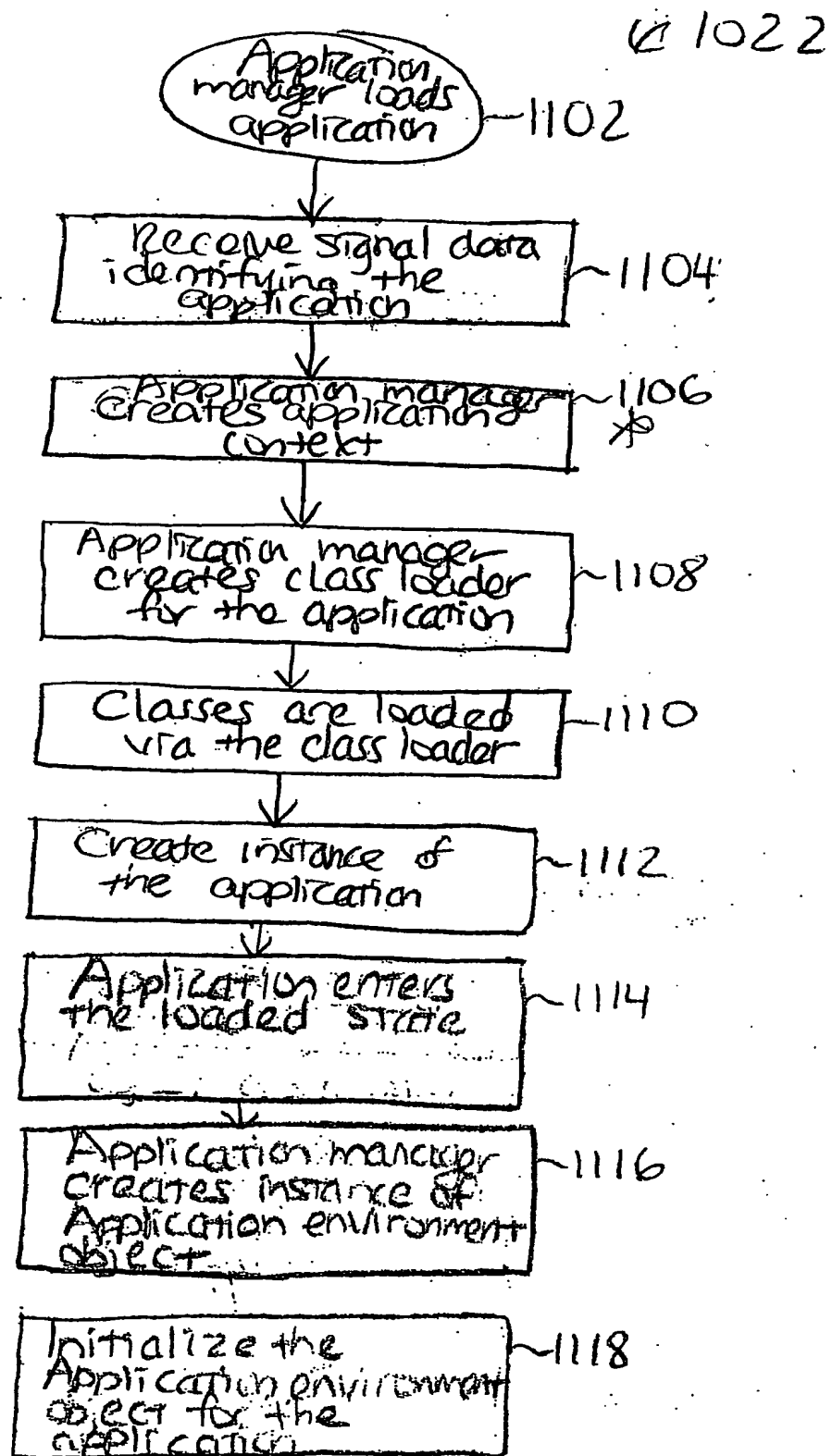


FIG. 11

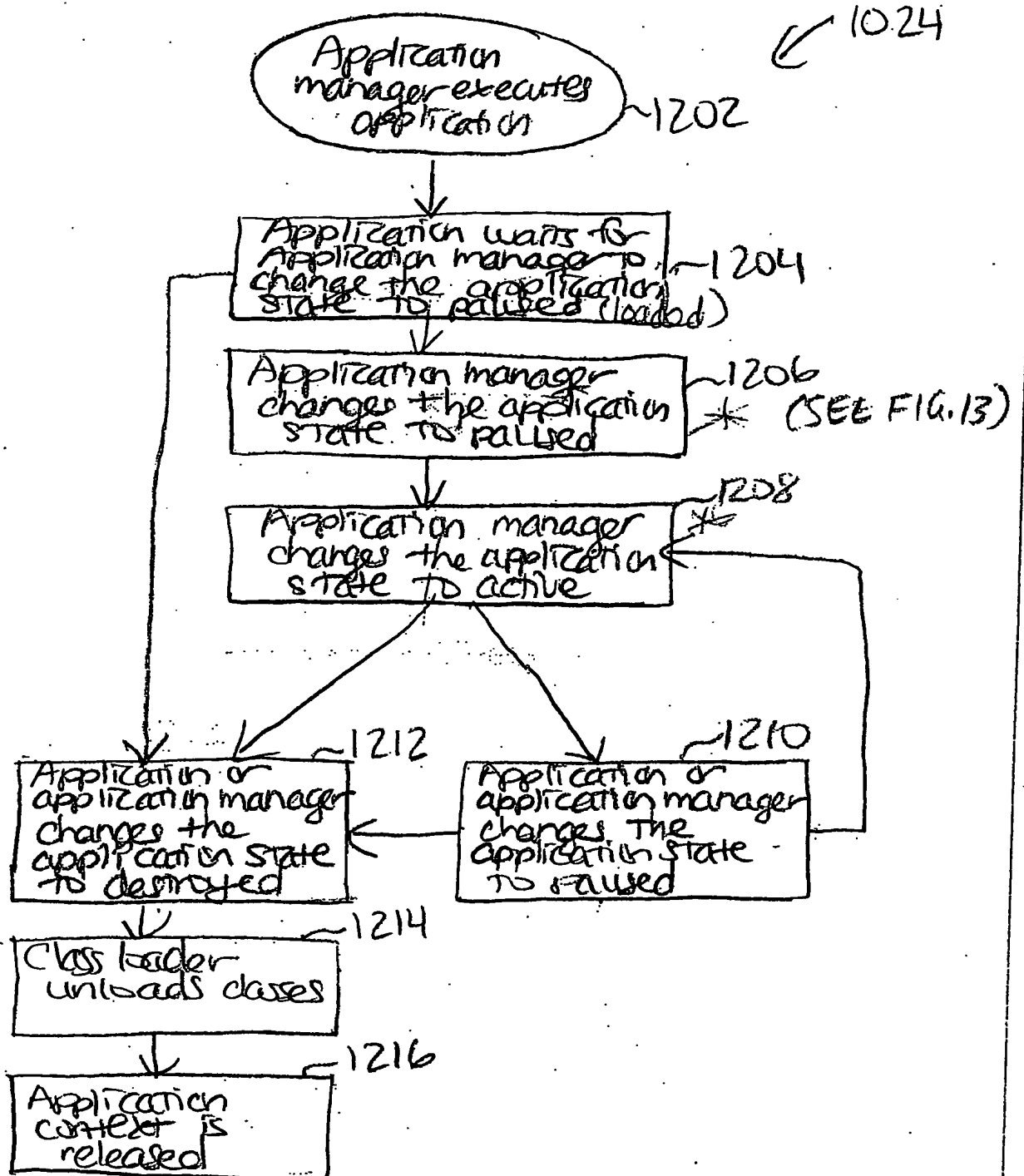


FIG. 12

Application manager changes state to paused ~1302

1206

Application manager calls init application and passes it the application environment object ~1304

Application uses the application environment object to initialize itself ~1306 ??

Application enters the Paused state ~1308

FIG. 13

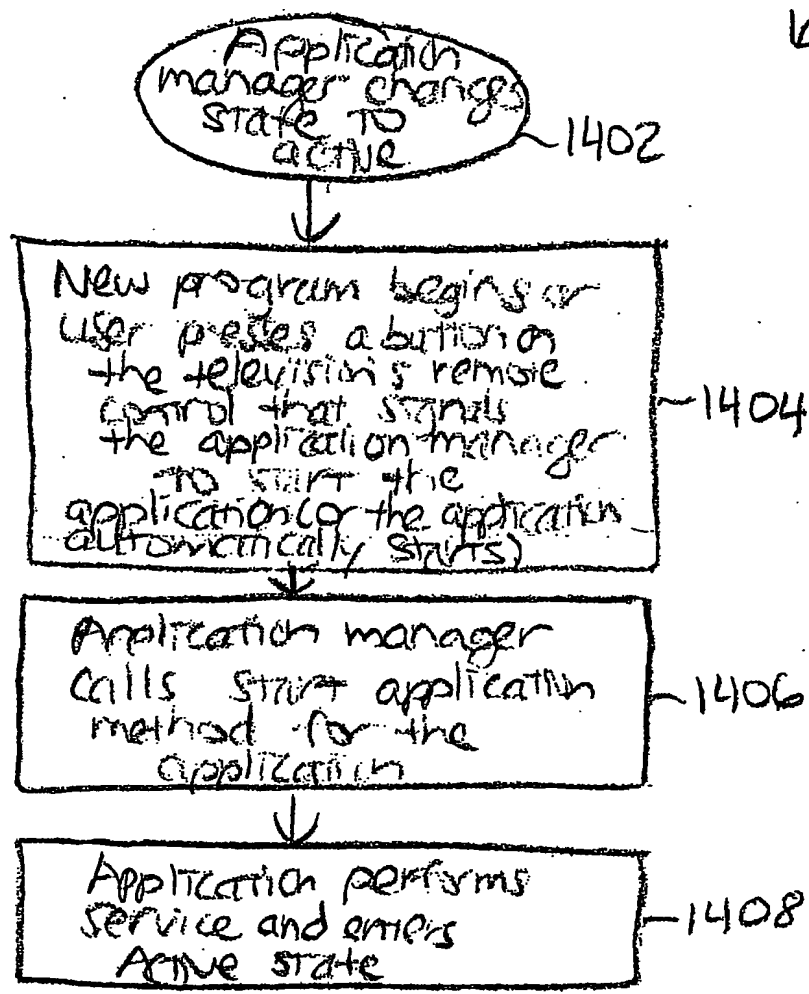


FIG. 14

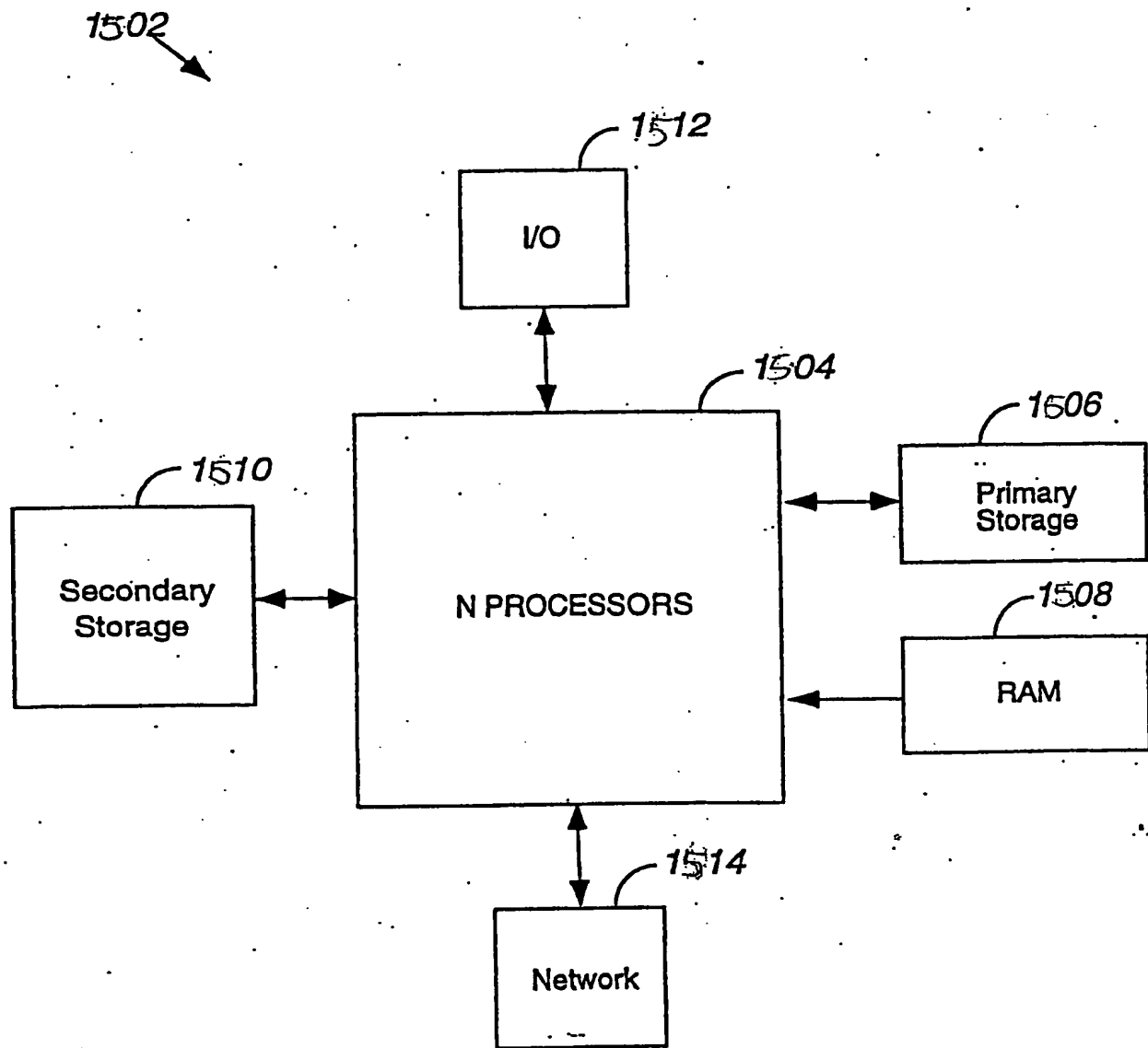


Figure 15

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☒ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**